

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

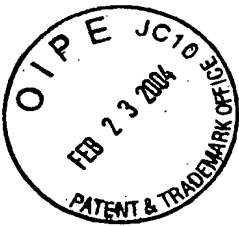
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

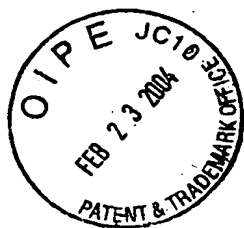
**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



METHODS FOR IDENTIFYING ANTI-MICROBIAL AGENTS
(AMENDED)

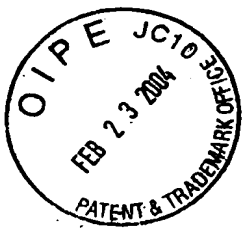
1 cugcagaagc agaaagaagg uaaagaacgc augaagcaga ucgguaacgu
51 cgagcugccg caggaaagcgu uccucgccau ucugcacguc ggcaaaagaca
101 acaaaanaacc cuuaggaguu ggcauggcga auauguuugc ccugauuucug
151 gugaauugcca cacuggugac gggcauuuuu uggugcgugg auaaaauucuu
201 uuucgcaccu aaacggcggg aacgucaggc agcggcgag gcggcucggg
251 acucacugga uaaagcaacg uuuaaaaagg uugcgccgaa gccugggcugg
301 cuggaaaaccg gugcuucugu uuuuccgguu cuggcuauca uauugaauug
351 gcguucguuu auuuangaac cguuccagan cccgucaggu ucgaugaugc
401 cgacucuguu aauggugau uuuaauucgg uagagaaguu ugcuaauggc
451 auuaaagauc cuaucuacca gaaaacgcug aucgaaaaac gucauccgaa
501 acgcggcgau aucguggugu uuuaauuacc ggaagaacca aagcuu

FIG. 1



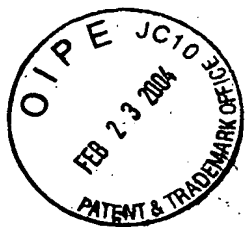
1 cugcaggcug agguugugcc cunacaaug caacaacgac auggauuaca
51 acaccucuaa aaacaaaagg caaucaccug aucuaagcuc uuaccuanga
101 cagugauagg uuaugccuuu uacucgacuu uugcacugac ugaaaaaggac
151 aaauuaaugu uaaaaaagau acuuuuacug gcucugcuuc cugcaaucgc
201 cuucgcagag gaacuuccug cuccaguaaa agcgaugaa aaacagggca
251 uuacaaucau caaaacaauu gaugcccccg gaggaugaa agguuaucuc
301 ggaaguanuc aggaugagg cguaccauc uaccugacuc cagaugguua
351 gcacgcuauc ucugguuaca uguacaacga gaaaggugaa aaccugagua
401 acacacuuau cgaaaaagaa auuuacgcac cagccggacg cgaaaugugg
451 caacggagg aacaaucca cuggcuccuc gacgguaaaa aagaugcgcc
501 ggucauuguc uacgucuuug ccgauccguu cugcccauau uguaaaacagu
551 ucuggcagca ggcgcgcccg uggguagauu cuggcaaaagu gcauuuaaga
601 acauugugg uggggguuau caagccagaa agcccgccga cagcagcgcc
651 aaucuuugcc uccaagauc ccgcaaaaac cuggcaacaa uaugaaagccu
701 cugguggcaa gcuu

FIG. 2



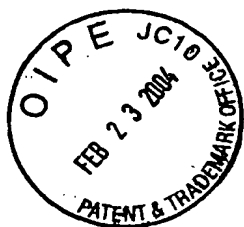
1 ctgcaggctg aggtgttgcc cttaacaatg caacaacgac atggattaca
51 acaccctcat aaacaaaggg caatcacctg atctaagctc ttacctatga
101 cagtgatagg ttatgccttt tactcgactt ttgcactgac tgaaaaggac
151 aaattaatgt taaaaaagat acttttactg gctctgcttc ctgcaatcgc
201 cttcgcagag gaacttcctg ctccagtaaa agcgattgaa aaacagggca
251 ttacaatcat caaacattc gatgccccg gaggaatgaa aggttatctc
301 ggaaagtatc aggatatggg cgtcaccatc tacctgactc cagatggtaa
351 gcacgtatc tctggttaca tgtacaaga gaaagggtgaa aacctgagta
401 acacacttat cgaaaaagaa atttacgcac cagccggacg cgaaatgtgg
451 caacggatgg aacaatccca ctggctctc gacggtaaaa aagatgcgcc
501 ggtcattgtc tacgtcttcg ccgatacgtt ctgccatat tgtaaacagt
551 tctggcagca ggcgcgccg tgggtagatt ctggcaaatg gcaattaaga
601 acattgttgg ttggggttat caagccagaa agcccggcgz cagcagcggc
651 aattcttgcc tccaaagatc ccgcaaaaac ctggcaacaa tatgaagcct
701 ctggtgggcaa gctt

FIG. 3



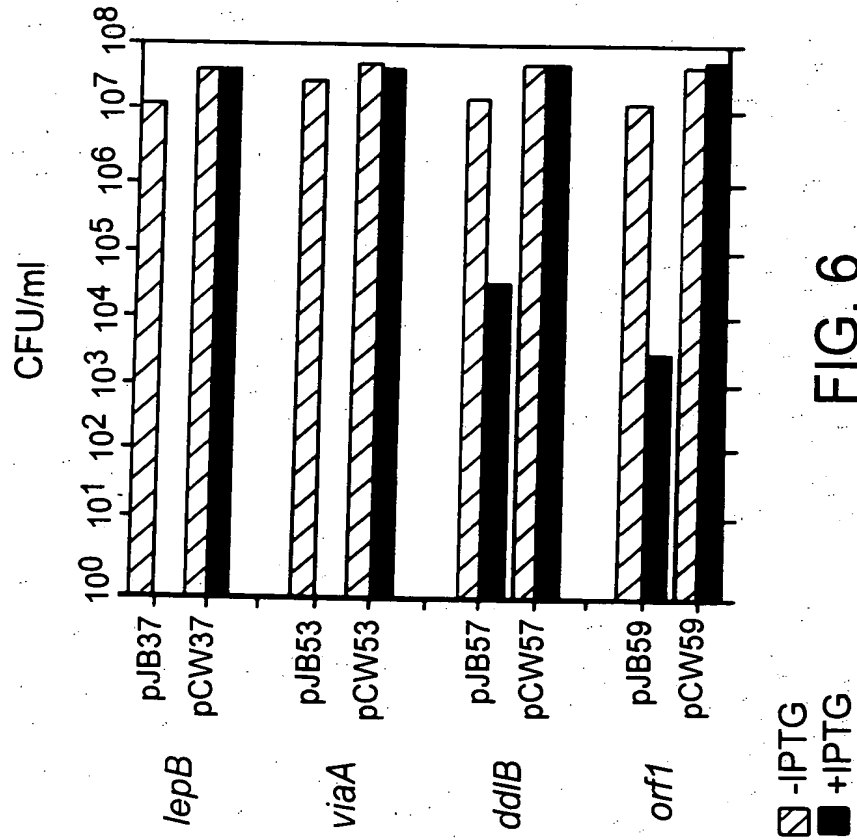
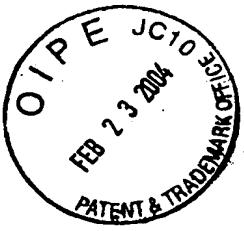
1 gaauucguac uaccaacugc gagaagcuca uaccugccug acgugccgcc
51 aucggcacca ggcuguggcu ggucauaccc ggugagguau uggcuuccag
101 cagauaaaac uguccaucgc uguccagcau aacgucaaua cguccccauc
151 cuuugcaacc uaacgucguc caugcuuua gcacuaaugc cugcaaaug
201 gccucuugug acgcuuccag accugcgggg cagaaauacu gugucucauc
251 agagagauac uucgccucau aaucauagaa gguuccggac gguugaauac
301 guauugacgg uaaaauuucu ucaccgagua ucgcaaccgu gaacuccggc
351 ccacuuagcc auuuuucaau caauacuucu ucaucgugcu gaaaugccaa
401 ucuaaangca ucuuguagag cauuuucugc uacuacuuuu gacauuccca
451 cacuggaacc uucgcggcuc ggcuaaacga uaaccggcaa acccagagca
501 gaaauuucug cuaacugcuu aucgcucagg ccuuuuucaa acucugcgcg
551 gguuaacgcu acccacggcg cgaccgguaa accggcaccu ugccauagaa
601 guuugcugcg uaguuuaucc auugaaagcg cagaugccau cacuccgcuu
651 ccgguauaag gcaagcccau cagcucgagc aucccugca gcguaccauc
701 uucaccgccg cgaccgugua gcgcgauaaa cacuuucuga aagcccaucg
751 acuucaguug cgucacgucg acuucuuucg ggucgacagg auacgcguca
801 auaccgccuu cagcgagucc ggcuaacacc gcugcgccag aaucagaga
851 aacuucccg cagcgaggg ucccaccaa caggaccgcg auuuuauca
901 ucauguuguu cuuccuccgg aguugcgsgc uucaguuga uuucagcuaa
951 agaacgggca auuuuuccaa uauuaccagc ccccguaacg agaaucaggu
1001 cguuaccggu uauuaccggu gccagcaucu cggcuaccg cgccggauc

FIG. 4



1 gaauucgug augcugugu ccugagacau aucagcgaug guaucgguca
51 gcacacuguu aaccgcaucg gcgaauuuuu uguugggaggc cuggaaacgca
101 ccuucacgu uguagcuggc acgauguuuu uuggucuuuu uguugccauu
151 cugcgcggua gcgaugaug gcgaauccgc uuuggucgcg auguuguaagc
201 gcacguugcc cugggacacg ucagcauaca guuggcuaac gaugauuugc
251 agauuaaccg ggccaauccg accaaccaug uaaccacgcg cggucaucg
301 uuuuuccagc acuuuugca gcaggaaacg cagaucgcg gaggcgguca
351 ggguaacgau uugauuacg cggugacuu uggcagcgc cugaucggua
401 cgcugaucg caccuuuau gcuaucggug acgcccauca ggcuuaggau
451 c

FIG. 5



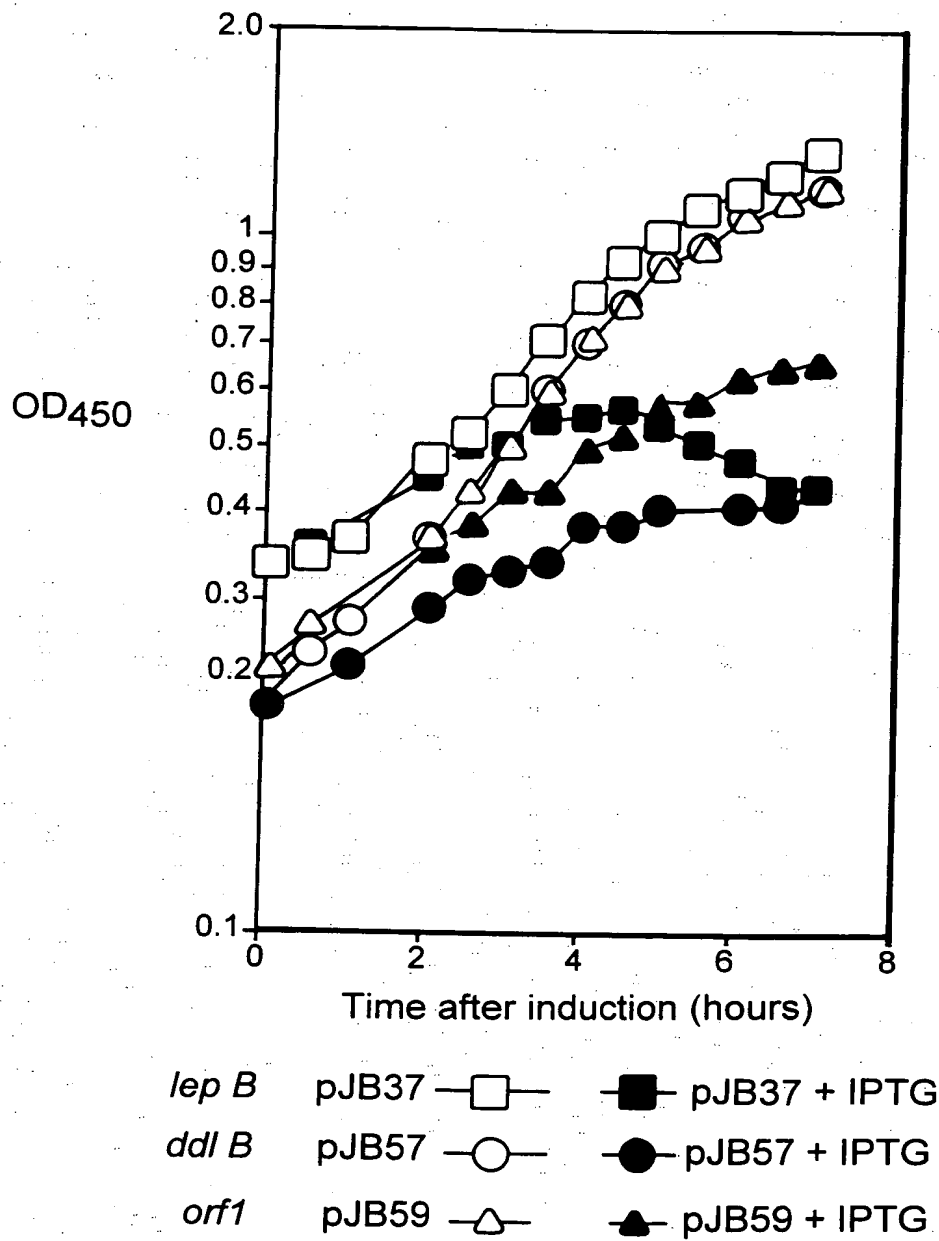
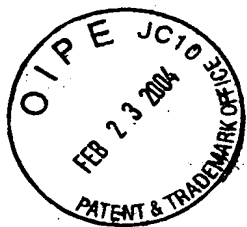


FIG. 7

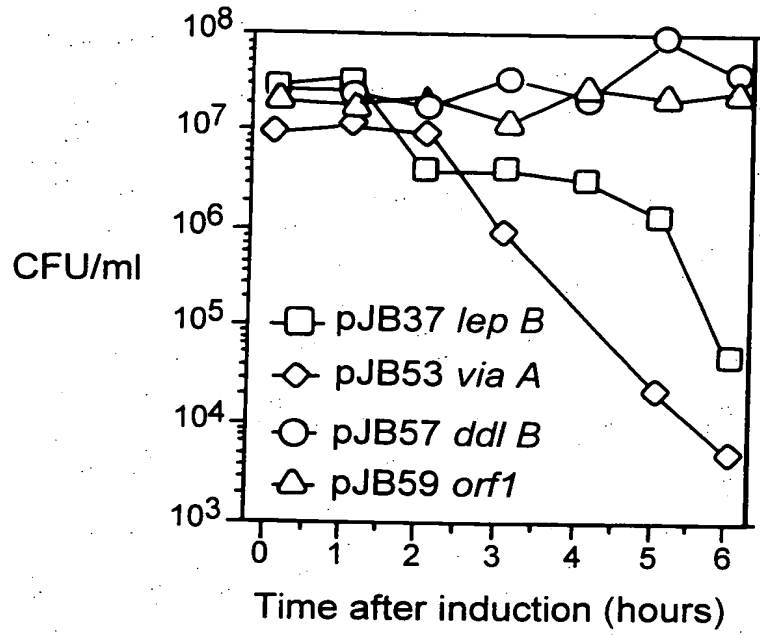
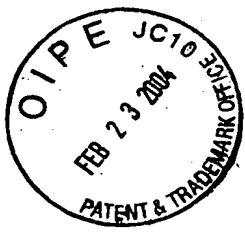
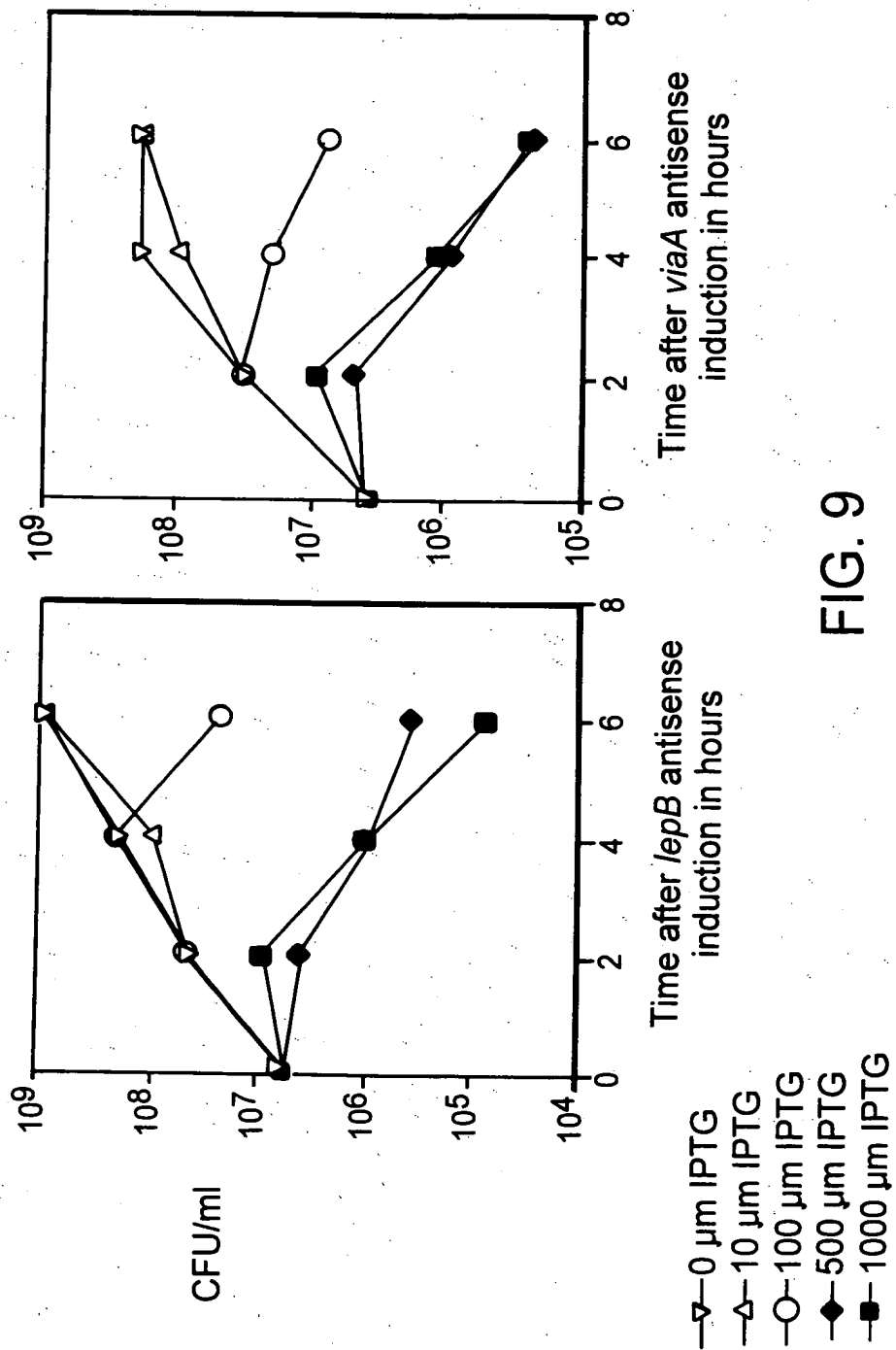
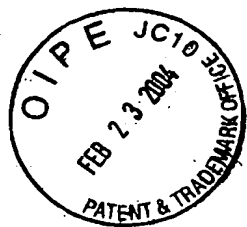


FIG. 8



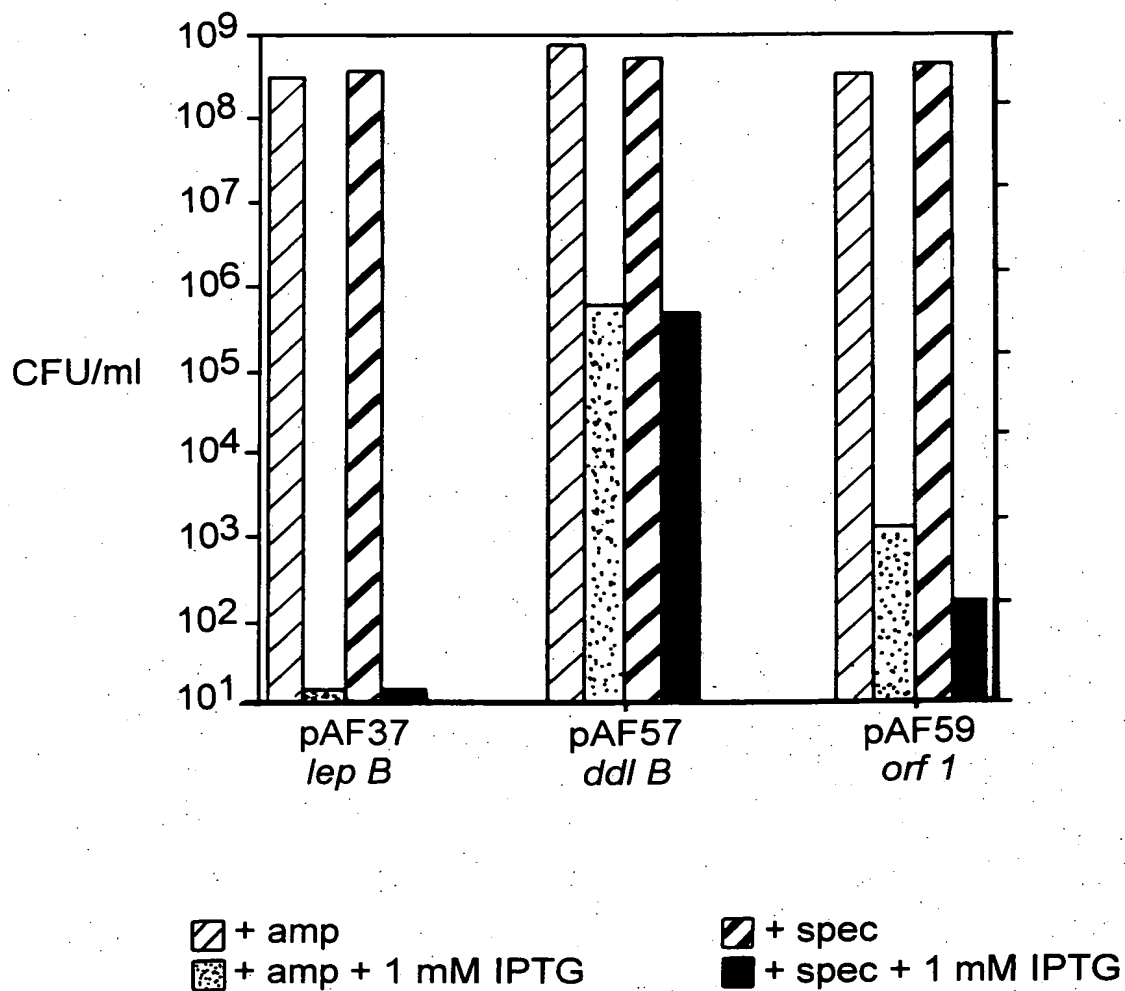
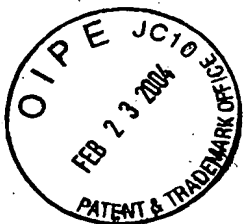
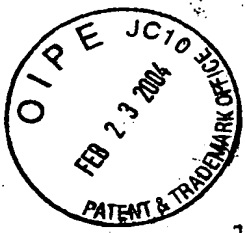
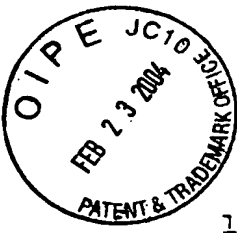


FIG. 10



1 ctgcaggctt taatgataag atttgtgcgc taaatacggt tgaatatgat
51 cgggatggca ataacgtgag tggaatactg acgcgctggc gacagtttgg
101 taaacgctac ttctggccgc atctcttatt agggatgggt gcggcgagtt
151 taggtttgcc tgcgctcagc aacgccgccg aaccaaacgc gcccgcaaaa
201 gcgacaaccc gcaaccacga gccttcagcc aaagttaact ttggtcaatt
251 ggccttgctg gaagcgaaca cagccgcccc gaattcgaac tattccgttg
301 attactggca tcaacatgcc attcgcacgg taatccgtca tctttctttc
351 gcaatggcac cgcaaacact gcccgttgct gaagaatctt tgctcttca
401 ggcgcaacat cttgcattac tggatacgct cagcgcgctg ctgacccagg
451 aaggcacgcc gtctgaaaag ggttatcgca ttgattatgc gcattttacc
501 ccacaagcaa aattcagcac gcccgctctgg ataagccagg cgcaaggcat
551 ccgtgctggc cctcaacgcc tcacctaca acaataaacc tttacttcat
601 tttattaact ccgcaacgcg gggcgtttga gattttatta tgctaataca
651 attgttaact aaagttttcg gtagtcgtaa cgatcgcacc ctgcgccgga
701 tgcgcaaagt ggtcaacatc atcaatgcca tggaaaccgga gatggaaaaa
751 ctctccgacg aagaactgaa agggaaaacc gcagagtttc gtgcacgtct
801 ggaaaaaggc gaagtgcctgg aaaatctgat cccgga

FIG. 11



1 uccgggauca gauuuuccag cacuucgccu uuuccagac gugcacgaaa
51 cucugcgguu uucccuuua guucuucguc ggagaguuuu uccaucuccg
101 guuccauggc auugaugaug uugaccacuu ugcgcauccg gcgcagggug
151 cgauvcguuac gacuaccgaa aacuuuaguu aacaauuuga uuagcauaau
201 aaaaucucaa acgccccgcg uugcggaguu aaauaaauga aguaaagggu
251 uauuguuguu aggugaggcg uugagggcca gcacggaugc cuugcgccug
301 gcuuauccag acgggcgugc ugaauuuugc uuguggggua aaugcgcau
351 aaucaaugcg auaacccuuu ucagacggcg ugccuuccug ggucagcagc
401 gcgcugagcg uauccaguaa ugcaagaugu ugcgccugaa gaggcaaaga
451 uucuucagca acgggcagug uuugcggugc cauugcgaaa gaaagaugac
501 ggauuaccgu gcgaauaggca uguugaugcc aguaaucaac ggaauaguuc
551 gaauucgggc ggcguguguu cgcuccagc aaggccaauu gaccaaaguu
601 aacuuuggcu gaaggcucgu gguugcgggu ugucgcuuuu gcgggcgcgu
651 uugguucggc ggcguugcug agcgcaggca aaccuaaacu cgccgcaacc
701 auccuaaua agagaugcgg ccagaaguag cguuuaccaa acugucgcca
751 gcgcgucagu auuccacuca cguuauugcc aucccgauca uauucaaacg
801 uauuuagcgc acaaaucua ucauuaaagc cugcag

FIG. 12